

CLAIMS

5 1. A valve system, for controlling the dispensing, in use, of a fluid, the valve system comprising first and second valve members defining a cavity therebetween, the first valve member having a closed position and an open position and providing a seal between an inlet of the valve system and the cavity whilst in the closed position and allowing passage of fluid from the inlet to the cavity whilst in the open position and the second valve member having a closed position and an open position and providing a seal between the cavity and an outlet of the valve system whilst in the closed position and allowing passage of the fluid from the cavity to the outlet whilst in the open position, thereby controlling the passage of fluid through the valve system, the valve system further comprising means for controlling venting of the cavity dependant upon the relative values of the valve system inlet and outlet pressures.

2. A valve system according to claim 1, wherein at least one of the valve members is automatically returned to its closed position by a biasing means.

3. A valve system according to claim 2, wherein the biasing means is provided by a spring.

4. A valve system according to any of the preceding claims, wherein the means for controlling venting of the cavity is provided by a diaphragm valve.

5. A valve system according to any of the preceding claims, wherein the first valve member comprises two parts.

6. A valve system according to any of the preceding claims, wherein the second valve member comprises a ball valve.

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Sub  
A3  
Unit

7. A valve system according to any of the preceding claims, wherein the second valve member is located within the first valve member.

8. A valve system according to any of the preceding claims, further comprising seals to maintain the integrity of the cavity.

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